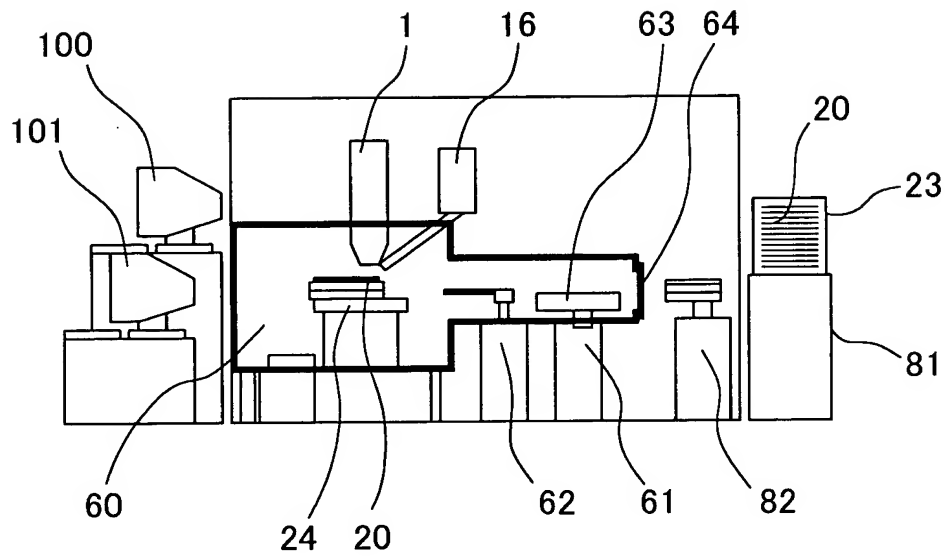


# FIG.1



# FIG.2

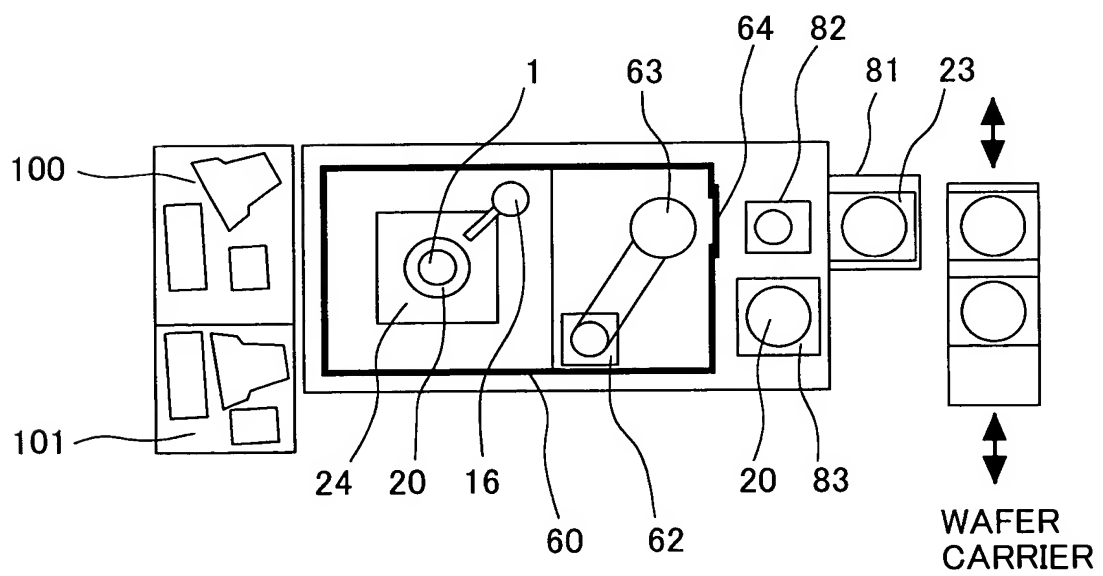


FIG.3

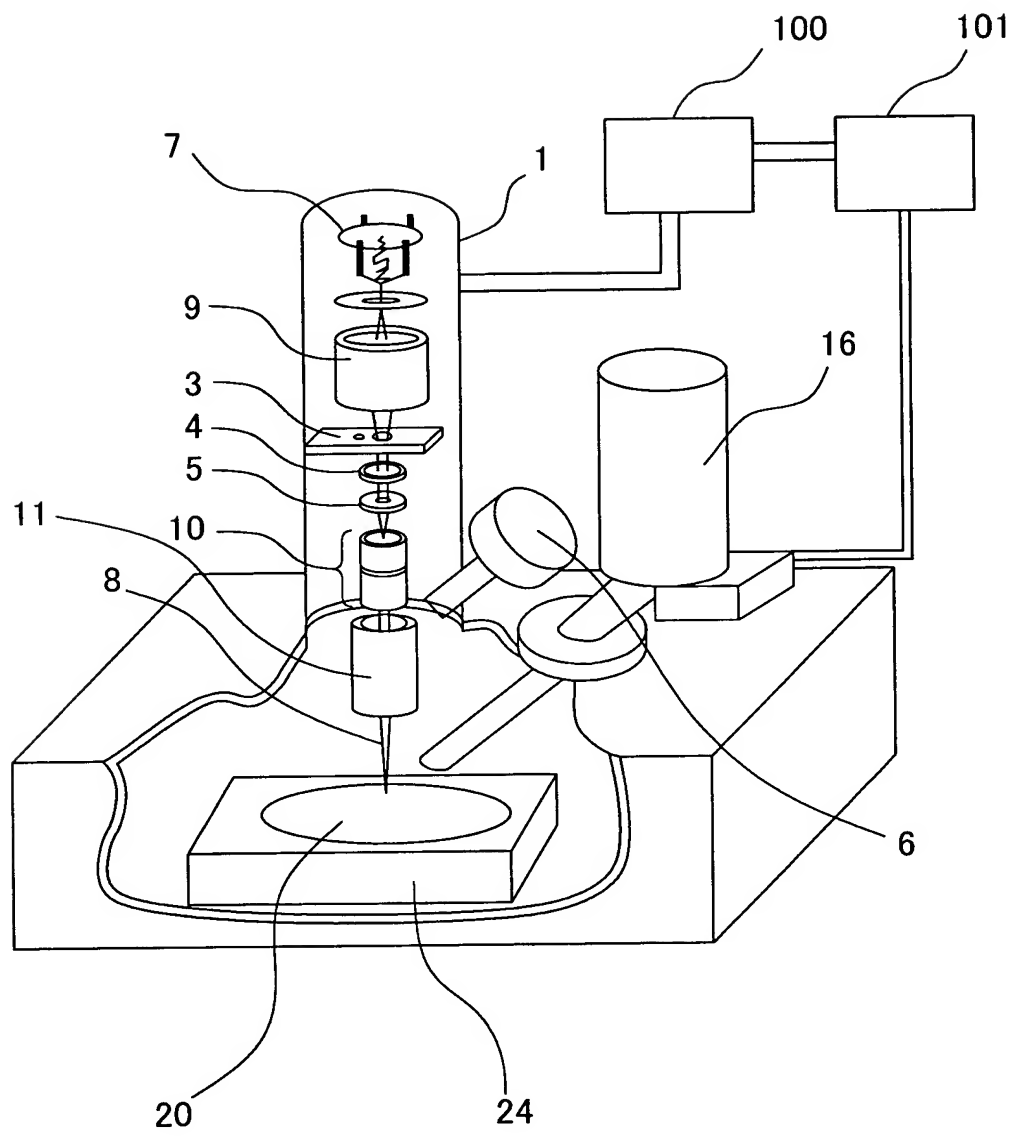
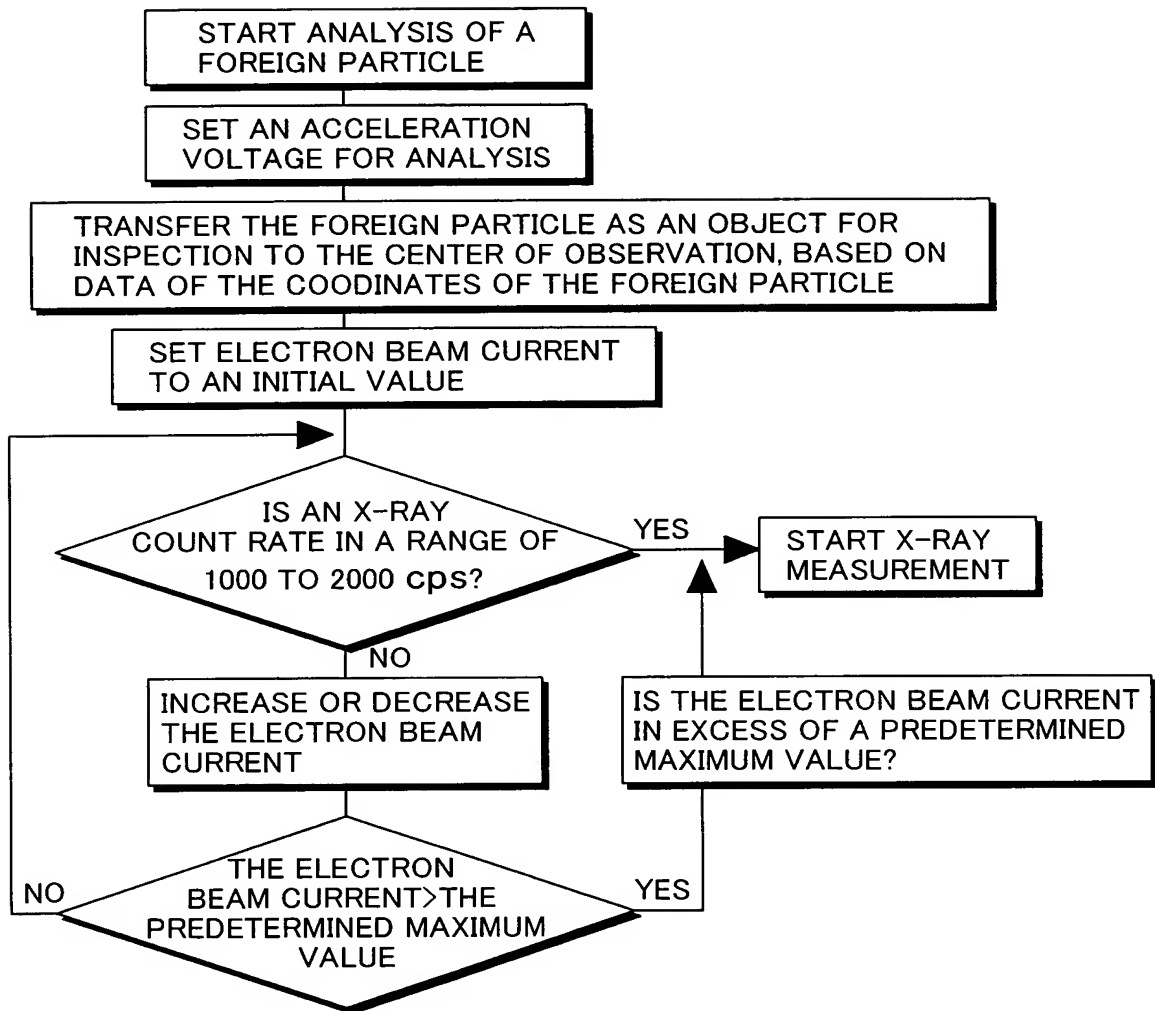
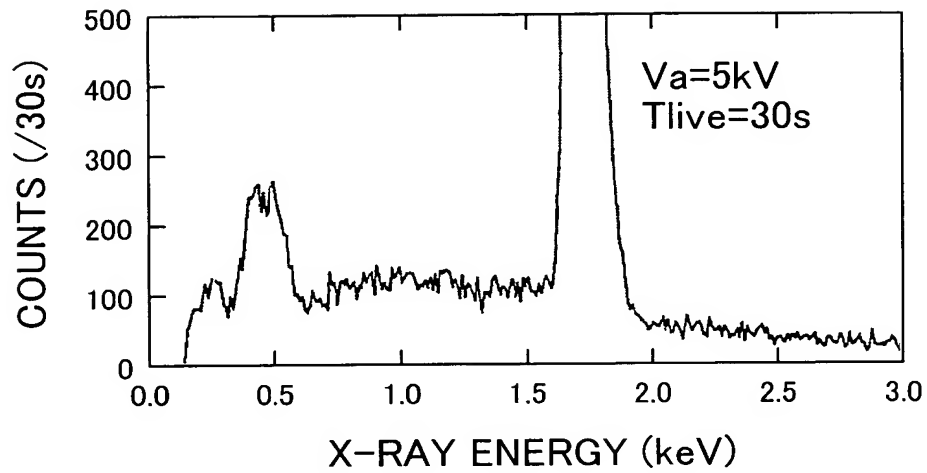


FIG.4



# FIG.5



# FIG.6

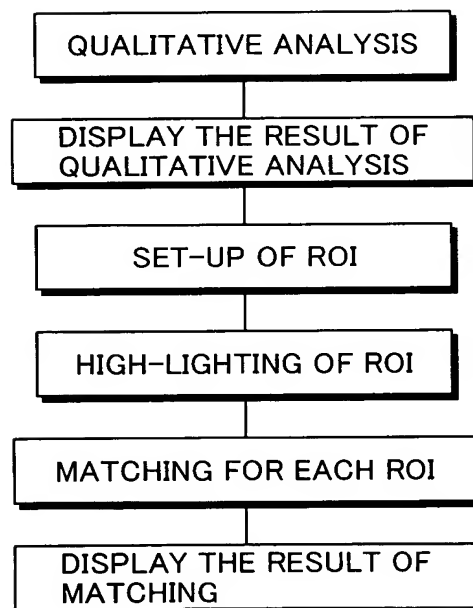


FIG.7

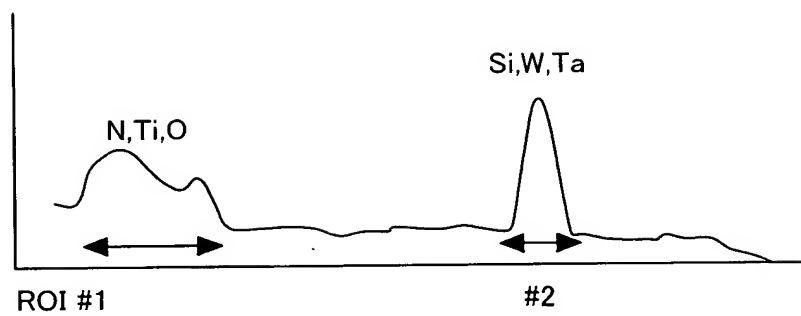
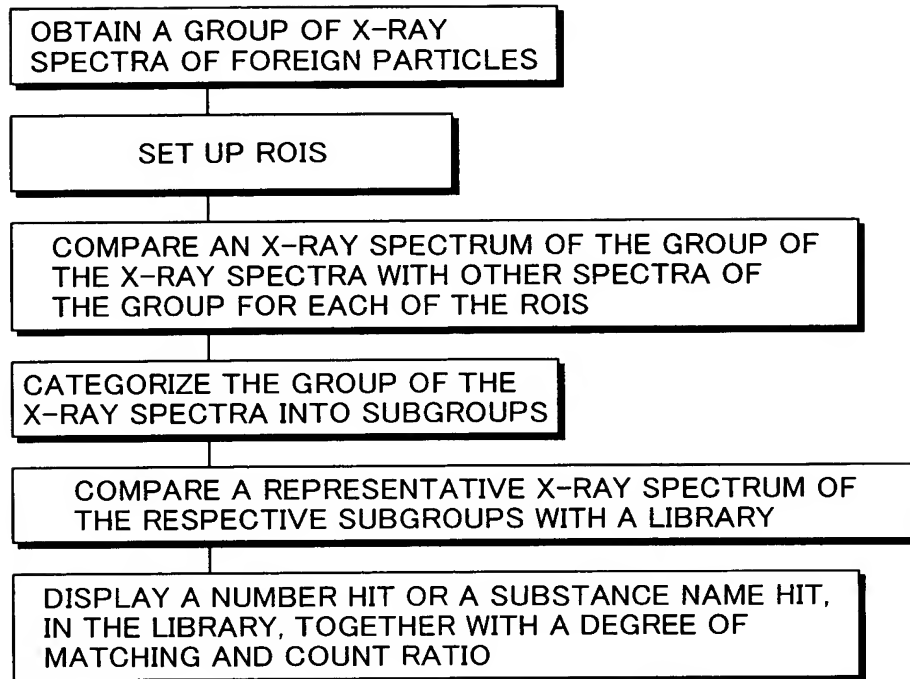


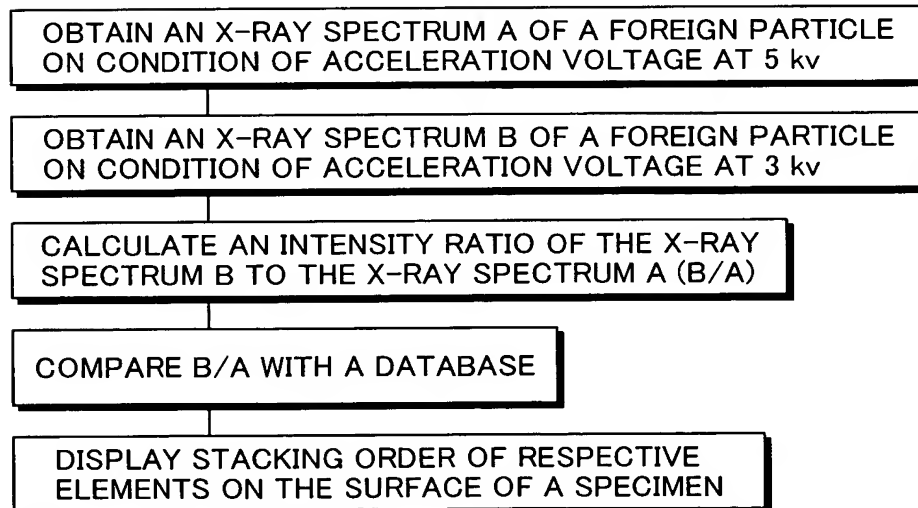
FIG.8

ROI NUMBER	ENERGY REGION		RESULT	IN ORDER OF THE DEGREE OF MATCHING		
				BEST	2ND	3RD
#1	START	0.2	DEGREE OF MATCHING $\chi^2$ HIGHT PARAMETER (RATIO OF COUNT) NAME OF MATTER (SPECTRUM LABEL)	1.5	25	205
	END	0.7		0.05 TiN50nm/Si	0.012 Ti50nm/Si	0.0001 SiO2
#2	START	1.5	DEGREE OF MATCHING $\chi^2$ HIGHT PARAMETER (RATIO OF COUNT) NAME OF MATTER (SPECTRUM LABEL)	0.3	11.4	35
	END	1.9		0.11 Si	0.15 Ta	0.09 W
FULL	START	0.2	DEGREE OF MATCHING $\chi^2$ HIGHT PARAMETER (RATIO OF COUNT) NAME OF MATTER (SPECTRUM LABEL)	1.2	1.5	1.6
	END	5.0		0.1 TiN50nm/Si	0.15 Ti50nm/Si	0.12 Si

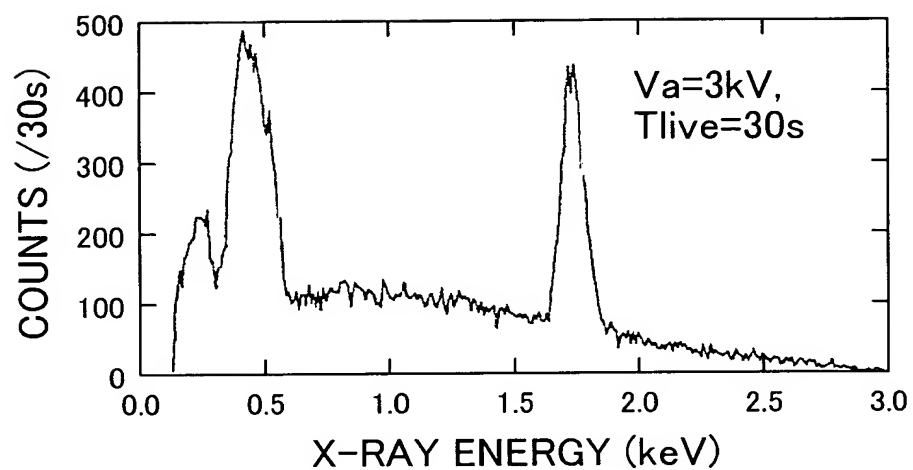
## FIG.9



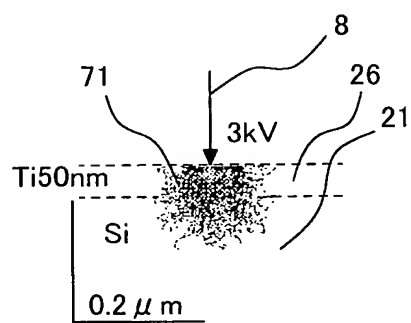
## FIG.10



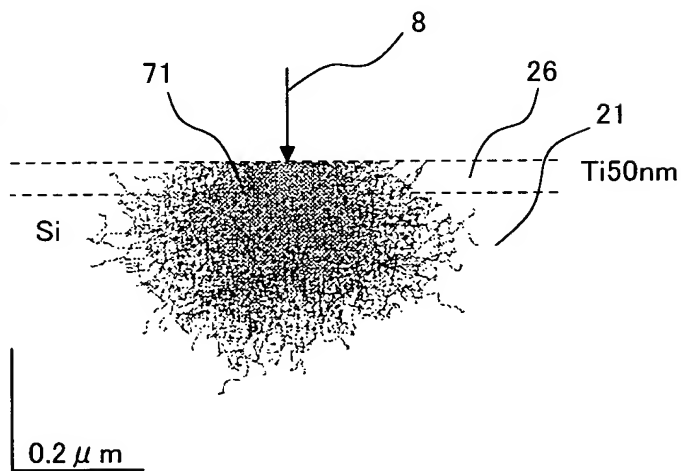
# FIG.11



## FIG.12A

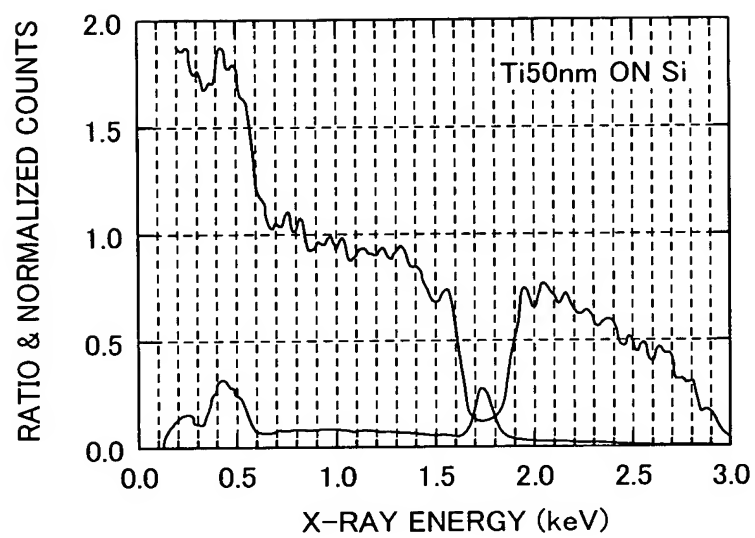


## FIG.12B

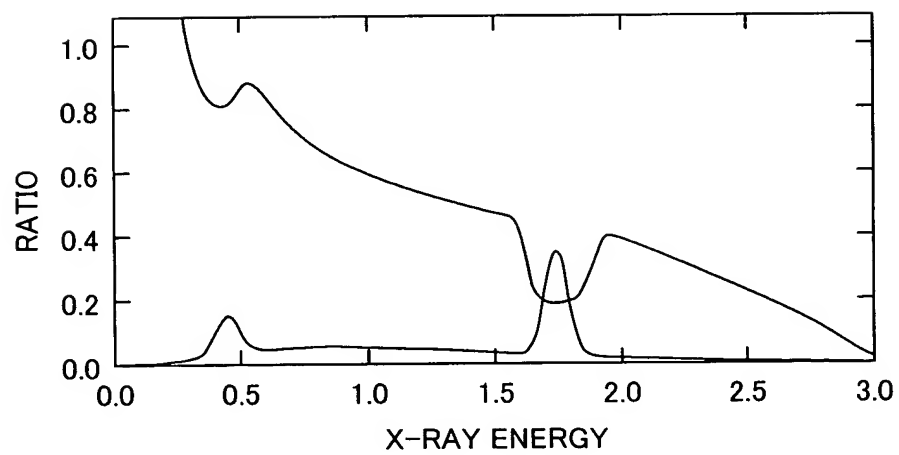




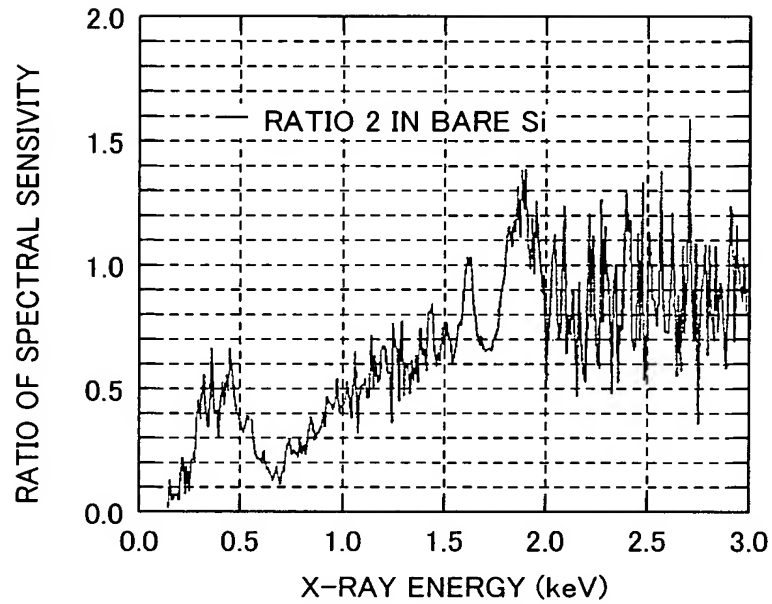
# FIG.13



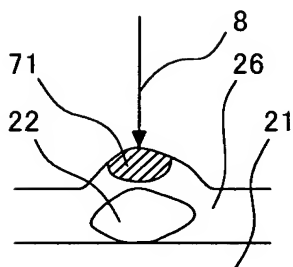
# FIG.14



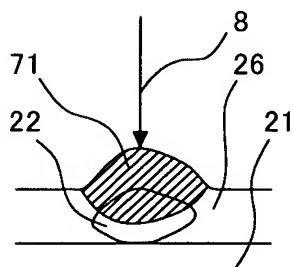
# FIG.15



## FIG.16A



## FIG.16B



## FIG.16C

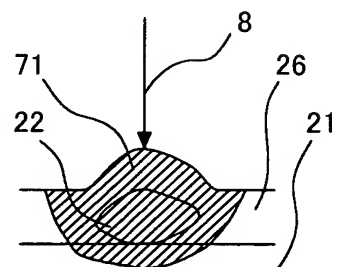


FIG.17A

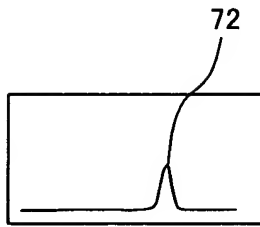


FIG.17B

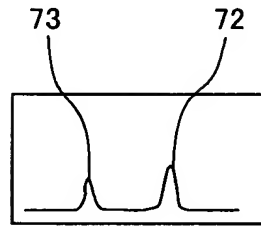


FIG.17C

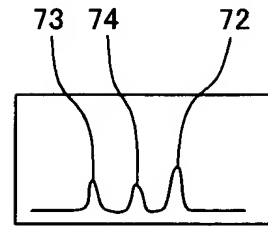


FIG.18A

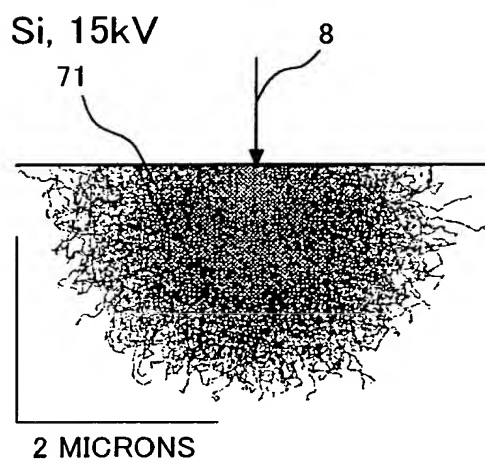


FIG.18B

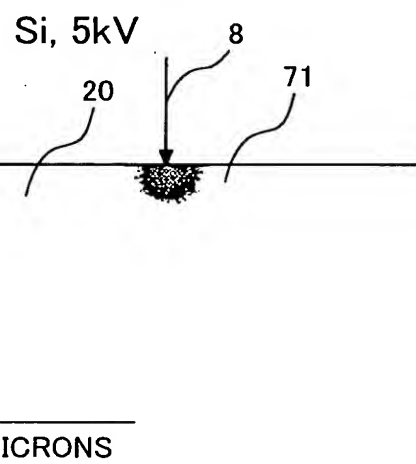


FIG.18C

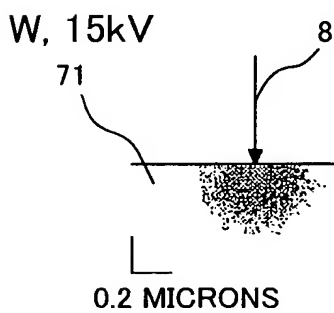
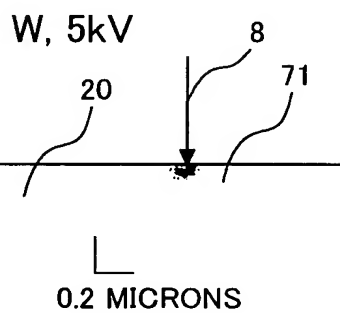
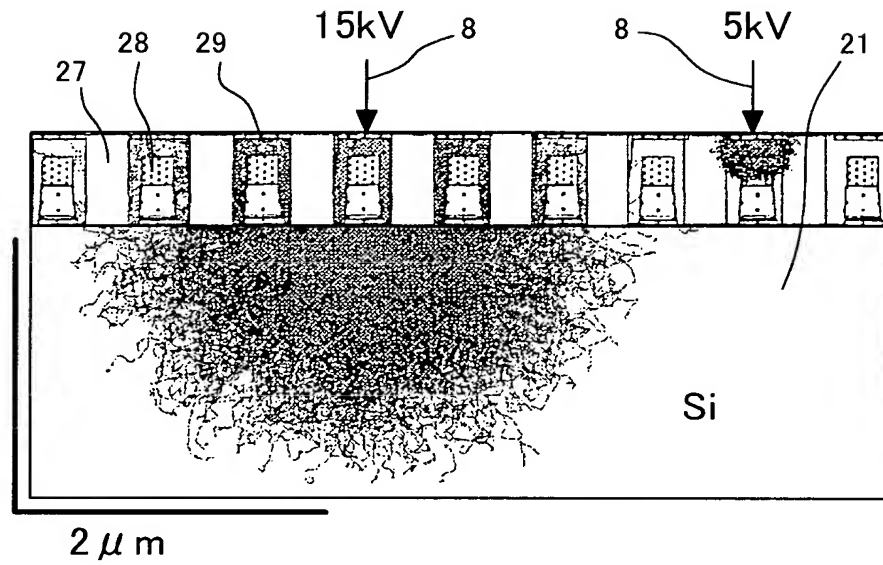


FIG.18D



# FIG.19



# FIG.20

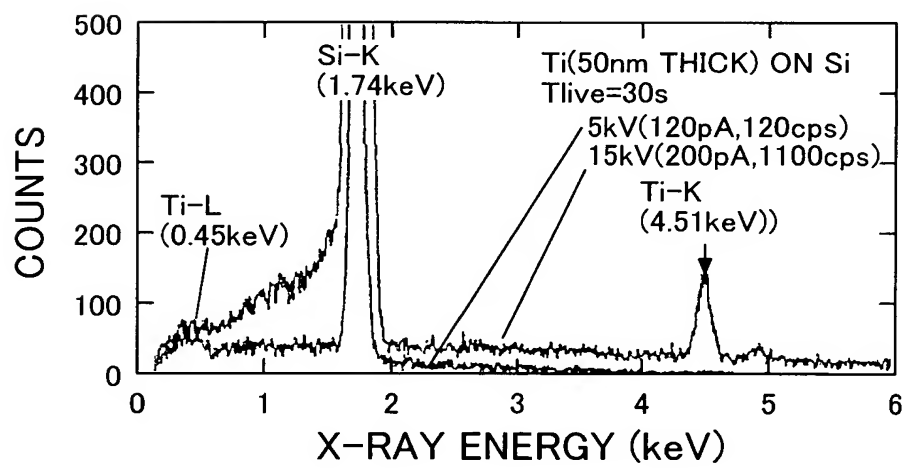


FIG.21A

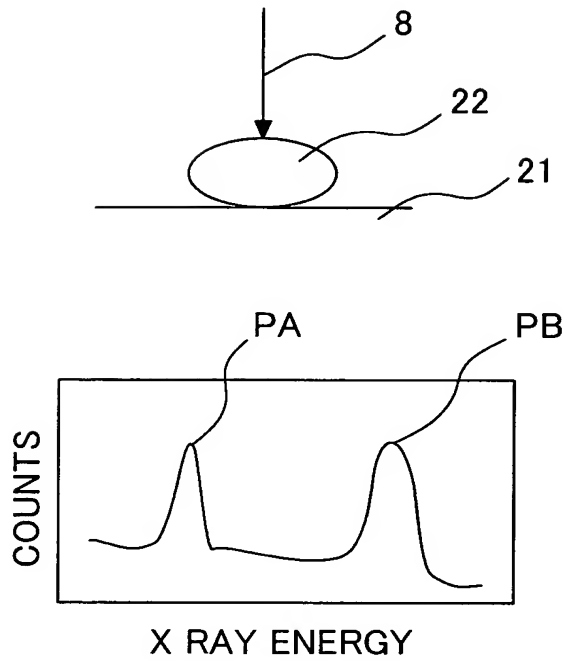


FIG.21B

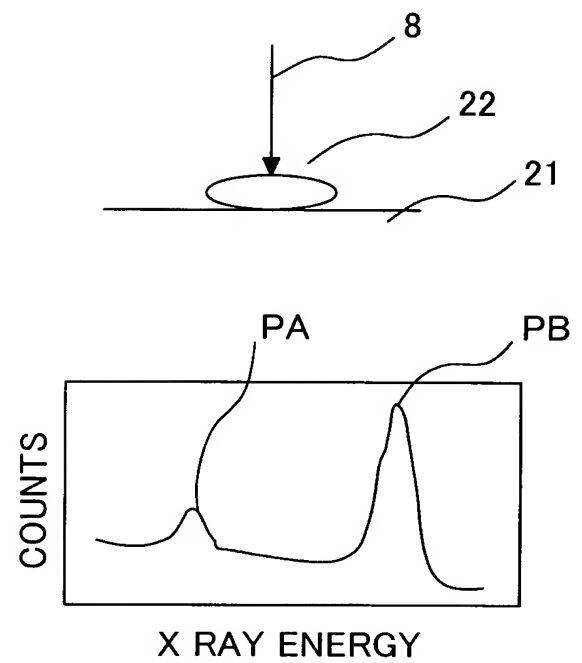


FIG.22

